



DNA68872 B1

Dayhoff Protein Database (Release 78, Mar 2004)

394 100 0.0 394 aa

P_AAB65287 Human PRO1387 (UNQ722) protein sequence SEQ ID NO:422 - Homo sapiens.

Accession: P_AAB65287;

Species: Homo sapiens.

Keywords: Human; secreted and transmembrane protein; PRO; cytostatic; cell death; cancer; chromosomal mapping; gene mapping; tissue typing; diagnostic assay; patent; GENESEQ patentdb.

Patent number: WO200073454-A1.

Publication date: 07-DEC-2000.

Filing date: 30-MAR-2000; 2000WO-US008439.

Priority: 02-JUN-1999; 99WO-US012252. 23-JUN-1999; 99US-0141037P.

07-JUL-1999; 99US-0143048P. 15-MAR-2000; 2000WO-US006884.

20-MAR-2000; 2000WO-US007377. plus 21 more dates.

Assignee: (GETH) GENENTECH INC.

Inventors: Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL; Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ; Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF; Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI; Zhang Z;

Cross reference: WPI; 2001-032160/04. N-PSDB; AAF44256.

Title: PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.

Patent format: Claim 12; Fig 304; 935pp; English.

Comment: The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAU12431 Human PRO1387 polypeptide sequence - Homo sapiens.

Accession: P_AAU12431;

Species: Homo sapiens.

Keywords: Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast; prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte; A-peptide; factor VIIA; gene therapy; patent; GENESEQ patentdb.

Patent number: WO200140466-A2.

Publication date: 07-JUN-2001.

Filing date: 01-DEC-2000; 2000WO-US032678.

Priority: 01-DEC-1999; 99WO-US028301. 01-DEC-1999; 99WO-US028634.

02-DEC-1999; 99WO-US028551.08-NOV-2000; 2000WO-US030952.
10-NOV-2000; 2000WO-US030873. plus 36 more dates.

Assignee: (GETH) GENENTECH INC.

Inventors: Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W; Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S; Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

Cross reference: WPI; 2001-408281/43. N-PSDB; AAS21503.

Title: Isolated , secretory and transmembrane PRO polypeptide used to detect other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumors e.g. lung, breast, prostate, cervical.

Patent format: Claim 12; Fig 520; 813pp; English.

Comment: AAU12172-AAU12446 represent novel human secretory and transmembrane PRO polypeptides. The PRO polypeptides are useful to detect other PRO polypeptides, to link bioactive molecules to cells expressing PRO polypeptides, to modulate biological activities of cells expressing PRO polypeptides, and to detect the presence of mammalian lung, colon, breast, prostate, rectal, cervical or liver tumours by comparing PRO polypeptide expression in a cell sample to that in a control sample. Some of the 275 sequences are also useful to stimulate the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or differentiation of chondrocytes, the proliferation or gene expression in pericyte cells, the release of proteoglycans from cartilage, the proliferation of inner ear utricular supporting cells or of T-lymphocytes, the release of a cytokine from peripheral blood monocytes (PBMCs), or the proliferation of endothelial cells. Some of the PRO polypeptides may modulate glucose or free fatty acid uptake by skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide to factor VIIA. The PRO polypeptides can be used in assays to identify molecules involved in binding interactions. The polynucleotides encoding PRO polypeptides can be used to generate probes, antisense RNA/DNA, transgenic or knock out animals and can be used in gene therapy

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 423 aa

P_AAM40646 Human polypeptide SEQ ID NO 5577 - Homo sapiens.

Accession: P_AAM40646;

Species: Homo sapiens.

Keywords: Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation; leukaemia; patent; GENESEQ patentdb.

Patent number: WO200153312-A1.

Publication date: 26-JUL-2001.

Filing date: 26-DEC-2000; 2000WO-US034263.

Priority: 23-DEC-1999; 99US-00471275. 21-JAN-2000; 2000US-00488725.

25-APR-2000; 2000US-00552317. 20-JUN-2000; 2000US-00598042.

19-JUL-2000; 2000US-00620312. 03-AUG-2000; 2000US-00653450.

14-SEP-2000; 2000US-00662191. 19-OCT-2000; 2000US-00693036.

29-NOV-2000; 2000US-00727344.

Assignee: (HYSE-) HYSEQ INC.

Inventors: Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D; Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J, Zhao QA;

Zhou P, Goodrich R, Drmanac RT;

Cross reference: WPI; 2001-442253/47. N-PSDB; AAI59802.

Title: Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.

Patent format: Example 2; SEQ ID NO 5577; 10078pp; English.

Comment: The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytostatic activity. The polynucleotides are useful in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system diseases, such as Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAM38860 Human polypeptide SEQ ID NO 2005 - Homo sapiens.

Accession: P_AAM38860;

Species: Homo sapiens.

Keywords: Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation; leukaemia; patent; GENESEQ patentdb.

Patent number: WO200153312-A1.

Publication date: 26-JUL-2001.

Filing date: 26-DEC-2000; 2000WO-US034263.

Priority: 23-DEC-1999; 99US-00471275. 21-JAN-2000; 2000US-00488725.

25-APR-2000; 2000US-00552317. 20-JUN-2000; 2000US-00598042.

19-JUL-2000; 2000US-00620312. 03-AUG-2000; 2000US-00653450.

14-SEP-2000; 2000US-00662191. 19-OCT-2000; 2000US-00693036.

29-NOV-2000; 2000US-00727344.

Assignee: (HYSE-) HYSEQ INC.

Inventors: Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D; Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J, Zhao QA; Zhou P, Goodrich R, Drmanac RT;

Cross reference: WPI; 2001-442253/47. N-PSDB; AAI58016.

Title: Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.

Patent format: Example 3; SEQ ID NO 2005; 10078pp; English.

Comment: The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytostatic activity. The polynucleotides are useful in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system diseases, such as Alzheimer's, Parkinson's disease,

Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAY66764 Membrane-bound protein PRO1387 - Homo sapiens.

Accession: P_AAY66764;

Species: Homo sapiens.

Keywords: Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; pharmaceutical; receptor immunoadhesin; gene mapping; patent; GENESEQ patentdb.

Patent number: WO9963088-A2.

Publication date: 09-DEC-1999.

Filing date: 02-JUN-1999; 99WO-US012252.

Priority: 02-JUN-1998; 98US-0087607P. 02-JUN-1998; 98US-0087609P.

02-JUN-1998; 98US-0087759P.16-SEP-1998; 98US-0100634P. 12-JAN-1999; 99US-0115565P. plus 133 more dates.

Assignee: (GETH) GENENTECH INC.

Inventors: Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK; Wood WI, Yuan J;

Cross reference: WPI; 2000-072883/06. N-PSDB; AAZ65110.

Title: Membrane-bound proteins and related nucleotide sequences.

Patent format: Claim 12; Fig 304; 822pp; English.

Comment: The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAY94452 Human inflammation associated protein #11 - Homo sapiens.

Accession: P_AAY94452;

Species: Homo sapiens.

Keywords: Inflammation; rheumatoid arthritis; Crohn's disease; asthma; multiple sclerosis; allergy; AIDS; diabetes mellitus antiinflammatory; gene therapy; human; patent; GENESEQ patentdb.

Patent number: WO200029574-A2.

Publication date: 25-MAY-2000.

Filing date: 04-NOV-1999; 99WO-US026234.

Priority: 18-NOV-1998; 98US-00195292.

Assignee: (INCY-) INCYTE PHARM INC.

Inventors: Walker MG, Volkmuth W, Klingler TM;

Cross reference: WPI; 2000-387787/33. N-PSDB; AAA27133.

Title: New human inflammation-associated polypeptide useful for diagnosis, prevention and treatment of inflammatory diseases comprises product of gene coexpressed with e.g. CD16, L-selectin and IP-30.

Patent format: Claim 4; Page 42-43; 43pp; English.

Comment: Eleven novel inflammation-associated genes have been identified in cDNA libraries from various tissues. The genes were selected according to their coexpression with the known inflammation genes, CD16, L-selectin, Src-like adapter protein, IP-30, superoxidase homoenzyme subunits, alpha-1-antitrypsin, Clq-A, 5-lipoxygenase activating protein and SRC family tyrosine kinase. The novel polynucleotides may be used in hybridization assays to diagnose a disease or condition associated with altered expression of the inflammation genes. Antibodies against the genes may be useful in compositions for the diagnosis and treatment of such diseases associated with inflammation including rheumatoid arthritis, Crohn's disease, multiple sclerosis, AIDS, diabetes mellitus, asthma and allergy. Additionally the polynucleotides of the invention may be used for gene therapy. The present sequence is human inflammation associated protein #11, derived from Incyte Clone 3507924

Database: GENESEQ patent database. (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAB24433 Human PRO1387 protein sequence SEQ ID NO:220 - Homo sapiens.

Accession: P_AAB24433;

Species: Homo sapiens.

Keywords: Human; PRO; promotion; inhibition; angiogenesis; cardiovascularisation; diagnosis; trauma; wound; cancer; atherosclerosis; cardiac hypertrophy; angiogenic; proliferative; cardiant; cardiovascular; antiatherosclerotic; cytostatic; gene therapy; vaccine; patent; GENESEQ patentdb.

Patent number: WO200032221-A2.

Publication date: 08-JUN-2000.

Filing date: 30-NOV-1999; 99WO-US028313.

Priority: 01-DEC-1998; 98WO-US025108. 16-DEC-1998; 98US-0112850P.

12-JAN-1999; 99US-0115554P. 08-MAR-1999; 99WO-US005028.

12-MAR-1999; 99US-0123957P. 28-APR-1999; 99US-0131445P.

14-MAY-1999; 99US-0134287P. 02-JUN-1999; 99WO-US012252.

23-JUN-1999; 99US-0141037P. 20-JUL-1999; 99US-0144758P.

26-JUL-1999; 99US-0145698P. 01-SEP-1999; 99WO-US020111.

08-SEP-1999; 99WO-US020594. 13-SEP-1999; 99WO-US020944.

15-SEP-1999; 99WO-US021090. 15-SEP-1999; 99WO-US021547.

05-OCT-1999; 99WO-US023089. 29-OCT-1999; 99US-0162506P.

Assignee: (GETH) GENENTECH INC.

Inventors: Ashkenazi AJ, Baker KP, Ferrara N, Gerber H, Hillan KJ, Goddard A, Godowski PJ, Gurney AL, Klein RD, Kuo SS, Paoni NF, Smith V, Watanabe CK, Williams PM, Wood WI;

Cross reference: WPI; 2000-412154/35. N-PSDB; AAA77683.

Title: Nucleic acids encoding PRO polypeptides useful for preventing, diagnosing and treating diagnosing a cardiovascular, endothelial or angiogenic disorders in mammals.

Patent format: Claim 72; Fig 92; 315pp; English.

Comment: The present invention describes nucleic acids encoding PRO polypeptides useful for preventing, diagnosing and treating

diagnosing a cardiovascular, endothelial or angiogenic disorder in mammals by modulating cell proliferation, angiogenesis and cardiovascularisation, and for identifying agonists and antagonists of these processes. The nucleic acids and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate PRO expression such as cardiovascular, endothelial or angiogenic disorders in mammals (e.g. atherosclerosis, cancers and cardiac hypertrophy). For example, the nucleic acids (NCs) and vectors containing them and the PRO polypeptide may be used to treat disorders associated with decreased PRO expression. AAA77510 to AAA77721 and AAB24388 to AAB24435 represent nucleotide and protein sequences used in the exemplification of the present invention

Database: GENESEQ patent database (v200408, 15-APR-2004).

394 100 0.0 394 aa

P_AAB33454 Human PRO1387 protein UNQ722 SEQ ID NO:187 - Homo sapiens.

Accession: P_AAB33454;

Species: Homo sapiens.

Keywords: Human; immune related disease; diagnosis; antiinflammatory; cardiant; dermatological; antiarthritic; antirheumatic; immunosuppressive; haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective; antianaemic; hepatotropic; virucide; antipsoriatic; antiallergic; antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis; idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis; systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus; autoimmune thrombocytopaenia; immune-mediated renal disease; demyelinating disease; hepatobiliary disease; Whipple's disease; inflammatory bowel disease; gluten-sensitive enteropathy; autoimmune disease; immune-mediated skin disease; allergic disease; immunological disease; transplantation associated disease; graft rejection; graft-versus-host-disease; patent; GENESEQ patentdb.

Patent number: WO200053758-A2.

Publication date: 14-SEP-2000.

Filing date: 02-MAR-2000; 2000WO-US005841.

Priority: 08-MAR-1999; 99WO-US005028. 10-MAR-1999; 99US-0123618P.

12-MAR-1999; 99US-0123957P. 18-FEB-2000; 2000WO-US004342.

22-FEB-2000; 2000WO-US004414. plus 36 more dates.

Assignee: (GETH) GENENTECH INC.

Inventors: Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W; Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V; Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;

Cross reference: WPI; 2000-572271/53. N-PSDB; AAC58619.

Title: Sixty four PRO polypeptides, useful in the diagnosis and treatment of immune related disorders, e.g. systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, thyroiditis and diabetes mellitus.

Patent format: Claim 33; Fig 82; 309pp; English.

Comment: The present invention describes sixty four human PRO proteins which can be used in the treatment of immune related diseases. The human PRO proteins, anti-PRO antibodies, agonists and antagonists are useful for treating and diagnosing immune related disorders. The disorders are selected from systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, spondyloarthropathies, systemic sclerosis, idiopathic inflammatory

myopathies, Sjogren's syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopaenia, thyroiditis, diabetes mellitus, immune-mediated renal disease, demyelinating diseases of the central and peripheral nervous systems, hepatobiliary diseases, inflammatory bowel disease, gluten-sensitive enteropathy and Whipple's disease, autoimmune or immune-mediated skin diseases, allergic diseases, immunological diseases of the lung, and transplantation associated diseases including graft rejection and graft-versus-host-disease. AAC58397 to AAC58578 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAC58579 to AAC58642 and AAB33414 to AAB33477 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention

Database: GENESEQ patent database (v200408, 15-APR-2004).

355 100 0.0 355 aa

P_AAY73371 HTRM clone 319415 protein sequence - Homo sapiens.

Accession: P_AAY73371;

Species: Homo sapiens.

Keywords: HTRM; human transcriptional regulatory molecule; arteriosclerosis; AIDS; arteriosclerosis; cirrhosis; cancer; leukaemia; diabetes mellitus; Addison's disease; multiple sclerosis; rheumatoid arthritis; infection; trauma; myasthenia gravis; adenocarcinoma; immune disorder; treatment; patent; GENESEQ patentdb.

Patent number: WO9957144-A2.

Publication date: 11-NOV-1999.

Filing date: 04-MAY-1999; 99WO-US009935.

Priority: 05-MAY-1998; 98US-0084254P. 07-AUG-1998; 98US-0095827P.

02-OCT-1998; 98US-0102745P.

Assignee: (INCY-) INCYTE PHARM INC.

Inventors: Hillman JL, Bandman O, Lal P, Yue H, Reddy R, Tang YT; Gerstin EH, Patterson C, Baughn MR, Azimzai Y, Lu DAM;

Cross reference: WPI; 2000-052941/04. N-PSDB; AAZ52456.

Title: New peptides useful for diagnosis, prevention and treatment of cancer and immune disorders.

Patent format: Claim 1; Page 131; 193pp; English.

Comment: AAY73325-Y73389 are human transcriptional regulator molecule (HTRM) protein sequences. The HTRM protein and nucleotide sequences are useful for preventing or treating disorders associated with decreased expression or activity of HTRM which include cell proliferative disorders such as arteriosclerosis and cirrhosis; cancers including adenocarcinoma and leukaemia; immune disorders such as AIDS, Addison's disease, diabetes mellitus, rheumatoid arthritis, multiple sclerosis, systemic lupus erythematosus, and myasthenia gravis; infections and trauma. Antagonists of the HTRM polypeptides are useful for treating or preventing disorders associated with increased expression or activity of HTRMs. HTRM polypeptides, their immunogenic fragments or oligopeptides are useful for screening libraries of compounds in drug screening techniques. Polynucleotides encoding HTRM are useful for blocking the transcription of mRNA and regulating gene function by modulating the activity of HTRM. Vectors expressing HTRM or agonists can also be used to prevent or treat disorder associated with decreased HTRM expression. Antibodies which specifically bind HTRM and polynucleotides encoding HTRM are useful for diagnosing disorders associated with the expression of HTRM, particularly in

assays that detect the expression of HTRM. Nucleotide sequences encoding HTRM may be useful to generate hybridization probes useful in mapping the naturally occurring genomic sequence and to detect differences in gene sequences among normal, carrier and affected individuals. Using diagnostic assays, cancer can be detected prior to the appearance of clinical symptoms and thereby progression of cancer can be prevented by aggressive treatment or preventive measures

Database: GENESEQ patent database (v200408, 15-APR-2004).

3

Wed Nov 21 09:33:05 2001 [BLASTP 2.2.1 [Jul-12-2001], NCBI]
/home/ruby/va/Molbio/carpanda/tempblast/pl.DNA68872 (394 aa)

Sequences producing High-scoring Segment Pairs:					Score	Match	Pct	E-val
1	P_AAB65287	Human PRO1387 (UNQ722) protein sequence SE			2067	394	100	0.0
2	P_AAU12431	Human PRO1387 polypeptide sequence - Homo			2067	394	100	0.0
3	P_AAM40646	Human polypeptide SEQ ID NO 5577 - Homo sa			2067	394	100	0.0
4	P_AAM38860	Human polypeptide SEQ ID NO 2005 - Homo sa			2067	394	100	0.0
5	P_AAY66764	Membrane-bound protein PRO1387 - Homo sapi			2067	394	100	0.0
6	P_AAY94452	Human inflammation associated protein #11			2067	394	100	0.0
7	P_AAB24433	Human PRO1387 protein sequence SEQ ID NO:2			2067	394	100	0.0
8	P_AAB33454	Human PRO1387 protein UNQ722 SEQ ID NO:187			2067	394	100	0.0
9	P_AAY73371	HTRM clone 319415 protein sequence - Homo			1867	355	100	0.0

BLAST RESULTS B-1

>1 P_AAB65287 Human PRO1387 (UNQ722) protein sequence SEQ ID NO:422 - Homo (394 aa) [1 seg]

Score = 2067 (800 bits), Expect = 0.0

Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

```
DNA68872      1  MFCPLKLILLPVLLDYSGLGNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAB65287    1  MFCPLKLILLPVLLDYSGLGNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS

DNA68872    61  PGEHAKDEYVLYYYNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTIYICEIRL
*****
P_AAB65287    61  PGEHAKDEYVLYYYNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTIYICEIRL

DNA68872   121  KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAB65287   121  KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE

DNA68872   181  IVFRYYHKL RMSVEYSQSWG HFQNRVNLVGDIFRNDG SIMLQGVRES DGGNYTCSIHLGN
*****
P_AAB65287   181  IVFRYYHKL RMSVEYSQSWG HFQNRVNLVGDIFRNDG SIMLQGVRES DGGNYTCSIHLGN

DNA68872   241  LVFKKTI VLVHSPEEPRTL VTPAALRPLVLGGNQLVII VGI VCATILL LPVLILIVKKTC
*****
P_AAB65287   241  LVFKKTI VLVHSPEEPRTL VTPAALRPLVLGGNQLVII VGI VCATILL LPVLILIVKKTC

DNA68872   301  GNKSSVNSTVLVKNTKKTNP EIKEKPCH FERCEGEKHIYSPII VREVIEEE EPSEKSEAT
*****
P_AAB65287   301  GNKSSVNSTVLVKNTKKTNP EIKEKPCH FERCEGEKHIYSPII VREVIEEE EPSEKSEAT

DNA68872   361  YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
P_AAB65287   361  YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
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>2 P_AAU12431 Human PRO1387 polypeptide sequence - Homo sapiens. (394 aa) [1 seg]

Score = 2067 (800 bits), Expect = 0.0

Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

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DNA68872      1  MFCPLKLILLPVLLDYSGLGNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
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BLAST RESULTS D-2

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*****
P_AAU12431 1 MFCPLKLILLPVLLDYSGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
DNA68872 61 PGEHAKDEYVLYYYSNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTyceIRL
*****
P_AAU12431 61 PGEHAKDEYVLYYYSNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTyceIRL
DNA68872 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAU12431 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
DNA68872 181 IVFRYYHKLMSVEYSQSWGHFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
P_AAU12431 181 IVFRYYHKLMSVEYSQSWGHFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
DNA68872 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIIGIVCATILLLPVLILIVKKTc
*****
P_AAU12431 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIIGIVCATILLLPVLILIVKKTc
DNA68872 301 GNKSSVNSTVLVKN TKTNPEI KEKPC HFERCEGEKHIYSPIIIVREVIEEEEPSEKSEAT
*****
P_AAU12431 301 GNKSSVNSTVLVKN TKTNPEI KEKPC HFERCEGEKHIYSPIIIVREVIEEEEPSEKSEAT
DNA68872 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
P_AAU12431 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
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>3 P_AAM40646 Human polypeptide SEQ ID NO 5577 - Homo sapiens. (423 aa) [1 seg]
Score = 2067 (800 bits), Expect = 0.0
Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,30-394,423

```
DNA68872 1 MFCPLKLILLPVLLDYSGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAM40646 30 MFCPLKLILLPVLLDYSGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
DNA68872 61 PGEHAKDEYVLYYYSNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTyceIRL
*****
P_AAM40646 90 PGEHAKDEYVLYYYSNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTyceIRL
DNA68872 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAM40646 150 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
DNA68872 181 IVFRYYHKLMSVEYSQSWGHFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
P_AAM40646 210 IVFRYYHKLMSVEYSQSWGHFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
DNA68872 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIIGIVCATILLLPVLILIVKKTc
*****
P_AAM40646 270 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIIGIVCATILLLPVLILIVKKTc
DNA68872 301 GNKSSVNSTVLVKN TKTNPEI KEKPC HFERCEGEKHIYSPIIIVREVIEEEEPSEKSEAT
*****
P_AAM40646 330 GNKSSVNSTVLVKN TKTNPEI KEKPC HFERCEGEKHIYSPIIIVREVIEEEEPSEKSEAT
DNA68872 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
```

FAST RESULTS 0-3

P_AAM40646 390 YMTMHPVWPSLRSDRNNLSLEKKS GGGMPKTQQAF

>4 P_AAM38860 Human polypeptide SEQ ID NO 2005 - Homo sapiens. (394 aa) [1 seg]
Score = 2067 (800 bits), Expect = 0.0
Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

```
DNA68872 1 MFCPLKLILLPVLLDYSLGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAM38860 1 MFCPLKLILLPVLLDYSLGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
DNA68872 61 PGEHAKDEYVLYYYNSLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTYYICEIRL
*****
P_AAM38860 61 PGEHAKDEYVLYYYNSLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTYYICEIRL
*****
DNA68872 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAM38860 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
DNA68872 181 IVFRYYHKLMSVEYSQSWG HFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
P_AAM38860 181 IVFRYYHKLMSVEYSQSWG HFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
DNA68872 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLV IIVGIVCATILL LPVLILIVKKTC
*****
P_AAM38860 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLV IIVGIVCATILL LPVLILIVKKTC
*****
DNA68872 301 GNKSSVNSTVLVKNTKKTNP EIKEKPC HFERCEGEKHIYSPII VREVIEEEEPSEKSEAT
*****
P_AAM38860 301 GNKSSVNSTVLVKNTKKTNP EIKEKPC HFERCEGEKHIYSPII VREVIEEEEPSEKSEAT
*****
DNA68872 361 YMTMHPVWPSLRSDRNNLSLEKKS GGGMPKTQQAF
*****
P_AAM38860 361 YMTMHPVWPSLRSDRNNLSLEKKS GGGMPKTQQAF
*****
```

>5 P_AAY66764 Membrane-bound protein PRO1387 - Homo sapiens. (394 aa) [1 seg]
Score = 2067 (800 bits), Expect = 0.0
Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

```
DNA68872 1 MFCPLKLILLPVLLDYSLGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAY66764 1 MFCPLKLILLPVLLDYSLGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
DNA68872 61 PGEHAKDEYVLYYYNSLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTYYICEIRL
*****
P_AAY66764 61 PGEHAKDEYVLYYYNSLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEADQGTYYICEIRL
*****
DNA68872 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAY66764 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
DNA68872 181 IVFRYYHKLMSVEYSQSWG HFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
P_AAY66764 181 IVFRYYHKLMSVEYSQSWG HFQNRVNLVGDI FRNDGSIMLQGVRES DGGNYTCSIHLGN
*****
DNA68872 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLV IIVGIVCATILL LPVLILIVKKTC
*****
P_AAY66764 241 LVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLV IIVGIVCATILL LPVLILIVKKTC
*****
```

Blast results 0-4

```
DNA68872 301 GNKSSVNSTVLVKNTKKTNP EIKEKPCHFERCEGEKHIYSPIIVREVIEEEEPSEKSEAT
*****
P_AAY66764 301 GNKSSVNSTVLVKNTKKTNP EIKEKPCHFERCEGEKHIYSPIIVREVIEEEEPSEKSEAT

DNA68872 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
P_AAY66764 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF

>6 P_AAY94452 Human inflammation associated protein #11 - Homo sapiens. (394 aa)
[1 seg]
Score = 2067 (800 bits), Expect = 0.0
Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

DNA68872 1 MFCPLKLILLPVLLDYS LGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAY94452 1 MFCPLKLILLPVLLDYS LGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS

DNA68872 61 PGEHAKDEYVLYYYSNLS VPPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGT YICEIRL
*****
P_AAY94452 61 PGEHAKDEYVLYYYSNLS VPPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGT YICEIRL

DNA68872 121 KGESQVFKKAVVLHVL PEEPKELMVHVGG LIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
P_AAY94452 121 KGESQVFKKAVVLHVL PEEPKELMVHVGG LIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE

DNA68872 181 IVFRYYHKL RMSVEYSQSWGHFQNRVNLVGDIFRNDGSI MLQGVRES DGGNYTCSIHLGN
*****
P_AAY94452 181 IVFRYYHKL RMSVEYSQSWGHFQNRVNLVGDIFRNDGSI MLQGVRES DGGNYTCSIHLGN

DNA68872 241 LVFKKTIVLHVSPEE PRTLVT PAALRPLVLGGNQLVIIVGIVCATILL LPVLILIVKKTC
*****
P_AAY94452 241 LVFKKTIVLHVSPEE PRTLVT PAALRPLVLGGNQLVIIVGIVCATILL LPVLILIVKKTC

DNA68872 301 GNKSSVNSTVLVKNTKKTNP EIKEKPCHFERCEGEKHIYSPIIVREVIEEEEPSEKSEAT
*****
P_AAY94452 301 GNKSSVNSTVLVKNTKKTNP EIKEKPCHFERCEGEKHIYSPIIVREVIEEEEPSEKSEAT

DNA68872 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
P_AAY94452 361 YMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
```

```
>7 P_AAB24433 Human PRO1387 protein sequence SEQ ID NO:220 - Homo sapiens. (394
aa) [1 seg]
Score = 2067 (800 bits), Expect = 0.0
Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394
```

```
DNA68872 1 MFCPLKLILLPVLLDYS LGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
*****
P_AAB24433 1 MFCPLKLILLPVLLDYS LGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS

DNA68872 61 PGEHAKDEYVLYYYSNLS VPPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGT YICEIRL
*****
P_AAB24433 61 PGEHAKDEYVLYYYSNLS VPPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGT YICEIRL

DNA68872 121 KGESQVFKKAVVLHVL PEEPKELMVHVGG LIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
*****
```

P_AAB24433 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
 DNA68872 181 IVFRYYHKLKMSVEYSQSWGHEFQNRVNLVGDIFRNDGSIMLQGVRESDDGNYTCSIHLGN

 P_AAB24433 181 IVFRYYHKLKMSVEYSQSWGHEFQNRVNLVGDIFRNDGSIMLQGVRESDDGNYTCSIHLGN
 DNA68872 241 LVFKKTIVLHVSPEEPRTLVTAPALRPLVLGGNQLVIIIVGIVCATILLLPVLILIVKKTC

 P_AAB24433 241 LVFKKTIVLHVSPEEPRTLVTAPALRPLVLGGNQLVIIIVGIVCATILLLPVLILIVKKTC
 DNA68872 301 GNKSSVNSTVLVKNTKKTNPETKEKPCFCEGEKHIYSPIIVREVIEEEEPSEKSEAT

 P_AAB24433 301 GNKSSVNSTVLVKNTKKTNPETKEKPCFCEGEKHIYSPIIVREVIEEEEPSEKSEAT
 DNA68872 361 YMTMHPVWPSLRSDRNNLSLEKSGGGMPKTQQAF

 P_AAB24433 361 YMTMHPVWPSLRSDRNNLSLEKSGGGMPKTQQAF

>8 P_AAB33454 Human PRO1387 protein UNQ722 SEQ ID NO:187 - Homo sapiens. (394 aa) [1 seg]
 Score = 2067 (800 bits), Expect = 0.0
 Identities = 394/394 (100%), Positives = 394/394 (100%), at 1,1-394,394

DNA68872 1 MFCPLKLILLPVLLDYSGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS

 P_AAB33454 1 MFCPLKLILLPVLLDYSGLNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLS
 DNA68872 61 PGEHAKDEYVLYYYNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTICEIRL

 P_AAB33454 61 PGEHAKDEYVLYYYNLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEQADQGTICEIRL
 DNA68872 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE

 P_AAB33454 121 KGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKEE
 DNA68872 181 IVFRYYHKLKMSVEYSQSWGHEFQNRVNLVGDIFRNDGSIMLQGVRESDDGNYTCSIHLGN

 P_AAB33454 181 IVFRYYHKLKMSVEYSQSWGHEFQNRVNLVGDIFRNDGSIMLQGVRESDDGNYTCSIHLGN
 DNA68872 241 LVFKKTIVLHVSPEEPRTLVTAPALRPLVLGGNQLVIIIVGIVCATILLLPVLILIVKKTC

 P_AAB33454 241 LVFKKTIVLHVSPEEPRTLVTAPALRPLVLGGNQLVIIIVGIVCATILLLPVLILIVKKTC
 DNA68872 301 GNKSSVNSTVLVKNTKKTNPETKEKPCFCEGEKHIYSPIIVREVIEEEEPSEKSEAT

 P_AAB33454 301 GNKSSVNSTVLVKNTKKTNPETKEKPCFCEGEKHIYSPIIVREVIEEEEPSEKSEAT
 DNA68872 361 YMTMHPVWPSLRSDRNNLSLEKSGGGMPKTQQAF

 P_AAB33454 361 YMTMHPVWPSLRSDRNNLSLEKSGGGMPKTQQAF

>9 P_AAY73371 HTRM clone 319415 protein sequence - Homo sapiens. (355 aa) [2 segs]
 Score = 1867 (723 bits), Expect = 0.0 [P_AAY73371, seg 1/2]
 Identities = 355/355 (100%), Positives = 355/355 (100%), at 40,1-394,355

DNA68872 40 MGCVFQSTEDKCIFKIDWTLS PGEHAKDEYVLYYYNLSVPIGRFQNRVHLMGDILCNDG

BLAST RESULTS 8/5

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*****
P_AAY73371 1 MGCVFQSTEDKCIFKIDWTLSPEGEHAKDEYVLYYYSNLSVPIGRFQNRVHLMGDILCNDG
DNA68872 100 SLLLDQDVQEQADQGTyceIRLKGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQS
*****
P_AAY73371 61 SLLLDQDVQEQADQGTyceIRLKGESQVFKKAVVLHVLPEEPKELMVHVGGGLIQMGCVFQS
DNA68872 160 TEVKHVTKEWIFSGRRAKEEIVFRYYHKLMSVEYSQSWGHFQNRVNLVGDIFRNDGSI
*****
P_AAY73371 121 TEVKHVTKEWIFSGRRAKEEIVFRYYHKLMSVEYSQSWGHFQNRVNLVGDIFRNDGSI
DNA68872 220 MLQGVRES DGGNYTCSIHLGNLVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIV
*****
P_AAY73371 181 MLQGVRES DGGNYTCSIHLGNLVFKKTIVLHVSPEEPRTLVT PAALRPLVLGGNQLVIIV
DNA68872 280 GIVCATILLPVLILIVKKTGCGNKSSVNSTVLVKN TKTNPEIKEKPCHEFERCEGEKHIY
*****
P_AAY73371 241 GIVCATILLPVLILIVKKTGCGNKSSVNSTVLVKN TKTNPEIKEKPCHEFERCEGEKHIY
DNA68872 340 SPIIVREVIEEEEPSEKSEATYMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF
*****
P_AAY73371 301 SPIIVREVIEEEEPSEKSEATYMTMHPVWPSLRSDRNN SLEKKSGGGMPKTQQAF

```

Score = 302 (120 bits), Expect = 2e-26 [P_AAY73371, seg 2/2]
Identities = 67/131 (51%), Positives = 84/131 (63%), Gaps = 9/131 (6%), at
20,94-144,221

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DNA68872 20 LNDLNVSPPELTVHVGDSALMGCVFQSTEDKCIFKIDWTLSPEGEHAKDEYVLYYYSNLSV
* * * * *
P_AAY73371 94 LHVLPPEPKELMVHVGGGLIQMGCVFQSTEVKHVTKEWIFSGRRAKEEIVFRYYHKLRM
DNA68872 80 PI-----GRFQNRVHLMGDILCNDG SLLLDQDVQEQADQGTyceIRLKGESQVFKKAVVL
* * * * *
P_AAY73371 153 SVEYSQSWGHFQNRVNLVGDIFRNDGSI MLQGVRES DGGNYTCSIHL--GNLVFKKTIVL
DNA68872 134 HVLPEEPKELM
** * * * *
P_AAY73371 211 HVSPEEPRTLVT

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BLAST RESULT B-6